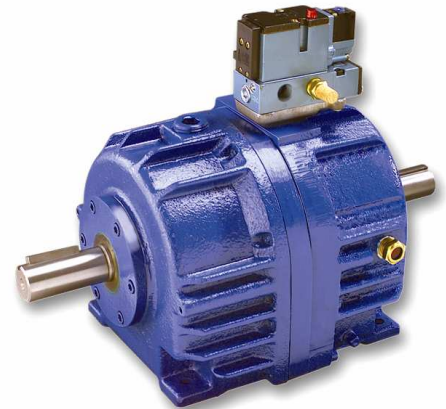


# Warner Electro Pack Replacement Guide

Today's Posidyne is capable of rapid and precise stopping, starting, reversing, speed changing and positioning. Stop buying repair kits for the Warner Electro Pack – upgrade your system to the Posidyne.

It shouldn't be "standard procedure" to adjust and repair your brake every couple months. Upgrade to something MUCH better – our Posidyne Clutch/Brake will last for years.



## Cross Reference:

When trying to replace an existing clutch/brake, we tend to look at three critical areas:

### 1. Capabilities

Torque required is the ultimate determining factor of matching the capabilities. Since most people don't know the torque requirements of their application, we can use one of two parameters to guide us: torque of existing clutch/brake or motor torque. Unfortunately, most dry friction brake manufactures have to greatly overrate the torque of their clutch/brakes. The torque on dry friction brake fades over time. A new EP-500 with 50 lb ft of torque may only have 30 lb ft after 6 months. Our clutch/brakes don't fade. So we feel it is a better option to size our clutch/brakes off the horsepower and speed. For example, for a 25HP/1800RPM application, Warner recommends the EP-1525 – a 700 lb ft clutch/brake. A 25 HP motor at 1800 RPM is only capable of generating 73 lb ft of torque. If we crossed the 700 lb ft of torque, we would need a Posidyne Size 10 Clutch/brake. We would recommend using either a Posidyne 03 (215 lb ft) or 05 (360 lb ft) based on Horsepower and Speed.

### 2. Control

The Warner Electro Pack clutch/brake is controlled via two 24VDC or 90VDC signals – one controlling the clutch and one controlling the brake. The Posidyne is an air actuated clutch/brake. Except for the addition of an air line, the control does not change. The existing 24 VDC or 90VDC signal can be used to control the air-valve supplied with our unit. Clutch and Brake air pressure is independently adjustable to fine tune your application. Unlike the Warner Electro Pack where torque is fixed, torque is directly proportional to air pressure in the Posidyne.

### 3. Dimensions

The last thing that we look at when replacing a unit is the dimensions – length, width, centerline, shaft diameter, etc. The dimensions are never identical. In this case, we are lucky – we have packed more torque in a smaller space. Except for the EP-400, the Posidyne is smaller in all critical dimensions than the Warner Electro Pack. It is much easier to retrofit a smaller unit than a larger unit.

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	Clutch Torque	Brake Torque	HP @1800RPM	Max RPM	Overall Length	Overall Width	Shaft Centerline	Shaft Diameter
Warner EP-400	270 lb in	270 lb in	1	4,500	11.781 in	6.00 in	3.464 in	0.7485 in
Posidyne X2 S Logic	198 lb in	213 lb in	2	1,800	13.75 in	7.50 in	4.50 in	0.875 in
Posidyne X3 S Logic	359 lb in	531 lb in	3	1,800	17.00 in	9.50 in	5.25 in	1.125 in
Warner EP-500	50 lb ft/600 lb in	40 lb ft/480 lb in	2	4,000	15.515 in	8.734 in	3.992 in	0.875 in
Posidyne 02 S Logic	518 lb in	553 lb in	3	1,800	14.623 in	9.00 in	4.00 in	1.125 in
Warner EP-825	125 lb ft/1,500 lb in	125 lb ft/1,500 lb in	7.5	3,600	20.031 in	11.609 in	5.252 in	1.125 in
Posidyne 2.5 S Logic	1,331 lb in	1,396 lb in	10	1,800	18.25 in	9.50 in	4.37 in	1.375 in
Warner EP-1000	240 lb ft/2,880 lb in	240 lb ft/2,880 lb in	10	3,000	28.75 in	12.875 in	6.241 in	1.875 in
Posidyne 03 S Logic	2,574 lb in	2,049 lb in	20	1,800	19.25 in	10.25 in	4.50 in	1.375 in
Posidyne 05 S Logic	4,325 lb in	4,021 lb in	30	1,800	22.75 in	10.25 in	6.50 in	1.625 in
Warner EP-1525	700 lb ft/8,400 lb in	700 lb ft/8,400 lb in	25	1,800	33.50 in	18.875 in	8.991 in	2.375 in
Posidyne 05 S Logic	4,325 lb in	4,021 lb in	30	1,800	22.75 in	10.25 in	6.50 in	1.625 in
Posidyne 10 S Logic	9,832 lb in	10,489 lb in	75	1,800	27.50 in	12.50 in	6.50 in	1.750 in
Warner EP-1525HT	1,350 lb ft/16,200 lb in	700 lb ft/8,400 lb in	40	1,800	33.50 in	18.875 in	8.991 in	2.375 in
Posidyne 10 S Logic	9,832 lb in	10,489 lb in	75	1,800	27.50 in	12.50 in	6.50 in	1.750 in
Posidyne 11 S Logic	18,045 lb in	14,926 lb in	150*	1,800*	31.56 in	12.63 in	6.50 in	2.375 in

\* Posidyne Size 11 rate at 1200 RPM with Fan Cooling. They can run at 1800 RPM with external cooling system

## Replacement Guide based on HP and Speed

HP	Shaft Speed at Clutch (in RPM)														Unit Size	
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800		
1/2																X1
3/4																X2
1																X3
1 1/2																02
2																2.5
3																03
5																05
7 1/2																10
10																11
15																14
20																20
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